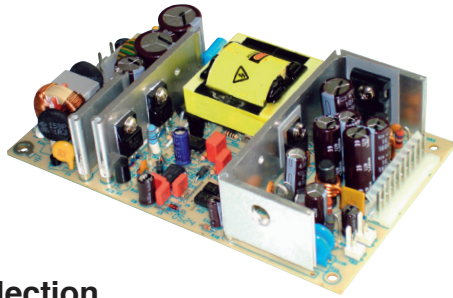


SNP-Y11 Series

Rated 110W
Peak 160W



Features

- 3.5" x 6" footprint
- ITE & Medical Dual Safety Approvals
- Cost effective

Model Selection



Model No.	Output Rail	Load				Initial Accuracy*	Ripple & Noise*	Load Regulation	Efficiency
		Min	Rated	Max	Peak*				
SNP-Y116	+5V	0A	19A			+4.95V~+5.05V	1%	±1%	80%
SNP-Y117-1	+12V	0A	9A		13A	+11.88V~+12.12V	1%	±1%	83%
SNP-Y118-1	+15V	0A	7A		10.5A	+14.85V~+15.15V	1%	±1%	82%
SNP-Y119-1	+24V	0A	4.5A		6.5A	+23.76V~+24.24V	1%	±1%	85%
SNP-Y11T	+48V	0A	2.3A		3.5A	+47.6V~+48.4V	1%	±1%	87%
SNP-Y117	+5V	0A	1A			+4.75V~+5.25V	1%	±1%	81%
	+12V	0A	8.5A		13A	+11.88V~+12.12V	1%	±1%	
SNP-Y118	+5V	0A	1A			+4.75V~+5.25V	1%	±1%	82%
	+15V	0A	6.8A		10.5A	+14.85V~+15.15V	1%	±1%	
SNP-Y119	+5V	0A	1A			+4.75V~+5.25V	1%	±1%	84%
	+24V	0A	4.5A		6.5A	+23.76V~+24.24V	1%	±1%	
SNP-Y111	+5V	0A	7A	13A	20A	+4.95V~+5.05V	1%	±3%	82%
	+12V	0A	5A	7A	11A	+11.4V~+12.6V	1%	±3%	
	-12V	0A	0.5A			-11.4V~-12.6V	1%	±5%	
SNP-Y110	+5V	0A	6A	11A	20A	+4.9V~+5.1V	1%	±3%	82%
	+12V	0A	5A	7A	11A	+11.4V~+12.6V	1%	±3%	
	-5V	0A	0.5A			-4.75~-5.25V	1%	±3%	
SNP-Y11E	+12V	0A	0.5A			-11.4V~-12.6V	1%	±5%	81%
	+3.3V	0A	9A	11A		+3.2V~+3.4V	50mV	±3%	
	+5V	0A	7A	9A		+5.0V~+5.2V	1%	±3%	
	+12V	0A	2A			+11.4V~+12.6V	1%	±5%	
SNP-Y11F	-12V	0A	0.2A			-11.4V~-12.6V	1%	±5%	82%
	+5V	0A	6A	10A	15A	+4.90V~+5.10V	1%	±3%	
	+12V	0A	2A			+22.8V~+25.2V	1%	±5%	
	+24V	0A	1.7A	3A	5.5A	+11.4V~+12.6V	1%	±3%	
	-12V	0A	0.3A			-11.4V~-12.6V	1%	±5%	

General Specifications

– Input & Output –		– EMC –	
Input voltage range	90VAC to 264VAC	Emission	FCC/CISPR, level B
Label voltage	100VAC to 240VAC	Harmonic currents	EN61000-3-2, class A
Nominal line voltage	115VAC / 230VAC	Voltage flicker	EN61000-3-3 (except SNP-Y110/1/E/F)
Input frequency range	47Hz to 63Hz	ESD	EN61000-4-2, criterion A
Inrush current*	<30A at 115VAC, <60A at 230VAC		4kV contact, 8kV air discharge
Line regulation	<±1%	Radiated immunity	EN61000-4-3, 10V/M with 80% AM, criterion A
Hold-up time	20ms typ.	EFT/Burst	EN61000-4-4, 4kV, criterion A
– Protection –		Surge	EN61000-4-5, 1kV L-L, 2kV L-E, criterion A
Over Voltage*	Latch-off	Conducted immunity	EN61000-4-6, 10V with 80% AM, criterion A
Over Load / Short	Auto-recovery	MS	EN61000-4-8, 3A/m, criterion A
– Environmental –		Voltage dips	EN61000-4-11
Operating temperature	-20°C to +70°C		30% dips 10ms, criterion A
Cooling	Convection cooling		60% dips 100ms, criterion C
Power derating	Refer to Power Derating Curve		95% dips 5000ms, criterion C
Storage temperature	-40°C to +75°C	– Safety –	
Relative humidity	10% to 90% RH, non-condensing	Approvals	60950-1, 2 nd edition (TUV, UL, CSA)
Operating altitude	0 to 2000m		60601-1, 2 nd edition (TUV, UL, CSA)
			CB Report, CE Mark

Notes

- All specifications without special notices are defined at nominal line, rated load and 25°C.
- Initial output voltage is set at 60% rated load and 115VAC input
- For SNP-Y110/Y111, max combination load of +5V and +12V is 90W/continuous and 155W/peak.
- For SNP-Y11E, max combination load of +3.3V and +5V is 65W/continuous.
- For SNP-Y11F, max combination load of +5V and +24V is 72W/continuous and 140W/peak.
- Peak load can last 8 sec with 10% duty cycle and average power < rated load.
- Inrush current is defined at 25°C cold start with EMI capacitors excluded.
- Over voltage protection mode is defined at 60% rated load.
- Ripple & Noise is defined with 15MHz BWL oscilloscope and 1X probe with 0.47uF output capacitor.
- All specifications subject to change without notice.
- This datasheet is only for model selection. Please contact sales@skynetpower.com.tw for formal specification.

Output Pin

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12
SNP-Y110	+5V	+5V	+5V	GND	GND	GND	+12V	+12V	-12V	GND	-5V	NC
SNP-Y11E	+3.3V	+3.3V	+3.3V	GND	GND	GND	GND	GND	+5V	+5V	+12V	-12V
SNP-Y11F	+5V	+5V	+5V	GND	GND	GND	+24V	+24V	+12V	GND	-12V	NC
SNP-Y116	+5V	+5V	+5V	+5V	+5V	GND	GND	GND	GND	GND		
SNP-Y117	+12V	+12V	+12V	+12V	GND	GND	GND	GND	+5V	GND		
SNP-Y117-1	+12V	+12V	+12V	+12V	GND	GND	GND	GND	NC	NC		
SNP-Y118	+15V	+15V	+15V	+15V	GND	GND	GND	GND	+5V	NC		
SNP-Y118-1	+15V	+15V	+15V	+15V	GND	GND	GND	GND	NC	NC		
SNP-Y119	+24V	+24V	+24V	+24V	GND	GND	GND	GND	+5V	NC		
SNP-Y119-1	+24V	+24V	+24V	+24V	GND	GND	GND	GND	NC	NC		
SNP-Y11T	+48V	+48V	+48V	+48V	GND	GND	GND	GND	NC	NC		
SNP-Y111	+5V	+5V	+5V	GND	GND	GND	+12V	+12V	-12V	NC		

Connector type*

- TB1 AC input : Molex 5277-02A
- TB2 DC output : Molex 5277-12A (SNP-Y110/E/F) : Molex 5277-10A (other models)
- TB3 LED : Molex 5045-02A
- TB4 FAN : Molex 5045-02A (other models)

Dimensions

- WxLxH : 3.5" x 6" x 1.4" (88.9 x 152.4 x 36.1 (mm))

Packing

- Net weight : 360g approx./unit
- Carton size (mm) : 477(L) x 290(W) x 379(H)
- Quantity : 32 units / carton
- Gross weight : 74kg approx./carton

Notes

- For all connectors equivalent types from other vendors could be used.
- Fan output is +24V for SNP-Y110/Y119/Y119-1, and +12V for other models.
- Max fan output current is 0.1A in SNP-Y118 & Y118-1, 0.2A in SNP-Y119 & Y119-1, and 0.25A in other models.
- Dimensions in left graph are shown in mm.

Power Derating Curve

